NASA Life Sciences Data Archive (http://lsda.jsc.nasa.gov)
Investigator name:Kenneth S. Kosik
Mission (Payload): STS-90 (Neurolab)
Experiment title (ID): Spatial Learning and Memory is Preserved in Rats After Early Development in a Microgravity Environment
File name/Inventory ID: MWMP7/8.pdf

Morris Water Maze Data Sheet/NASA Project

Subject Number 1

Investigator

Group Pt FLT Rt 30

Data Entered: Yes or No?

Dis. Latency

DATE	Rt Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average	WT.
5-12	9 ~~25~~	114g	1 416.87 / 60. c N	7 90.76 / 14.40 c,n S	13 c,d, 322.03 / 48.90 E	19 * / 13.74 c,n W	34.26 / 276.55	31°C
5-13	10 ~~26~~	120g	1 c,s,n 103.36 / 12.14 W	7 d,n 96.43 / 14.95 E	13 n 25.94 / 4.07 S	19 n 95.43 / 14.34 N	11.38 / 80.29	33°C
5-14	11 ~~27~~	122	1 n 125.35 / 12.36 W	7 n 69.85 / 11.26 S	13 n 20.23 / 3.46 E	19 n 32.98 / 5.77 N	8.21 / 62.10	31-32°C
5-15	12 ~~28~~	131g	1 326.40 / 37.97 W	7 75.27 / 12.69 E	13 37.22 / 6.10 S	19 27.80 / 4.95 N	15.43 / 116.67	
5-16	13 ~~29~~	137	1 44.24 / 6.92 N	7 28.79 / 4.84 S	13 26.48 / 3.19 W	19 16.85 / 3.02 E	4.5 / 29.09	

Probe Trial # 25 South
Cum dis = 3351.74

Morris Water Maze Data Sheet/NASA Project

Subject Number 2

Investigator

Group R+30 P6 FLT

Data Entered: Yes or No?

DATE	R+ Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-12	9 ~~25~~	114g	2 c 395.64/60 E	8 c, s, n 56.17/8.79 W	14 n 43.86/6.65 N	20 s, n 76.69/12.53 S	21.99 / 143.09
5-13	10 ~~26~~	122g	2 n, s 141.30/21.65 W	8 s, d, n 205.27/32.80 N	14 d, n 183.06/23.68 E	20 n 32.49/5.44 S	20.89 / 140.53
5-14	11 ~~27~~	127	2 d, n 11.34/1.76 E	8 n 40.40/6.54 N	14 n 30.11/4.07 S	20 n 19.95/2.36 W	3.68 / 25.45
5-15	12 ~~28~~	135g	2 74.66/6.43 E	8 16.59/1.81 S	14 21.78/1.81 W	20 26.44/2.36 N	3.10 / 34.87
5-16	13 ~~29~~	139	2 23.52/2.58 N	8 21.93/1.98 W	14 50.49/4.67 S	20 11.27/1.37 E	2.65 / 26.50

Probe Trial #26 South

CD = 4745.72

Morris Water Maze Data Sheet/NASA Project

Subject Number 3

Investigator

Group R+30 P6 FLT

Data Entered: Yes or No?

DATE	Rt Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-12	9 ~~25~~	88g	3 some floating c 377.55/60. E	9 n 24.51/4.84 S	15 c,s,d 293.13/60 N	21 n 35.89/7.53 W	33.09 / 182.77
5-13	10 ~~26~~	94g	3 c,s,d 355.27/55.60 E	9 s,n 116.60/19.95 N	15 s,n 91.18/18.30 W	21 n 29.55/5.49 S	24.84 / 148.15
5-14	11 ~~27~~	104	3 * poop. c,s,d 51.87 W •	9 * cancelled 1.40 S	15 n 59.60/9.29 N •	21 n 73.13/11.81 E •	18.59 / 61.53
5-15	12 ~~28~~	107	3 n 71.01/10.82 N	9 26.77/4.45 S	15 281.33/41.54 W	21 18.59/3.24 E	15.01 / 99.43
5-16	13 ~~29~~	112	3 * NT error 4.94 N	9 27.30/2.69 W	15 23.77/3.57 E	21 31.63/4.84 S	4.01 / 27.59

• = diving

Probe Trial #27 South

CD= 4643.30

Morris Water Maze Data Sheet/NASA Project

Subject Number 4

Investigator

Group R+30 P6 FLT

Data Entered: Yes or No?

DATE	Rt Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-12	9 ~~25~~	969	4 c,s,d srch strat. 442.14/60 E	10 n 26.61/4.51 S	16 d,c,loop 341.30/60 W	22 n 80.78/13.74 N	34.56 / 272.71
5-13	10 ~~26~~	1039	4 * s,n ~~344.60~~/27.36 S	10 d,c,n 239.68/38.68 N	16 d 347.24/49.62 W	22 n 62.48/10.77 E	31.61 / 248.5
5-14	11 ~~27~~	103	4 n 29.95/3.52 W	10 n 10.18/1.98 E	16 n 69.02/12.31 S	22 n 138.70/25.05 N	10.72 / 61.96
5-15	12 ~~28~~	106	4 53.02/10.22 S	10 22.05/4.89 E	16 46.90/7.91 W	22 26.80/4.51 N	6.88 / 37.19
5-16	13 ~~28~~	110	4 14.02/2.42 E	10 23.44/3.08 N	16 59.98/6.65 W	22 51.23/5.27 S	4.36 / 37.17

Probe Trial #28 South

CD= 3092.88

Morris Water Maze Data Sheet/NASA Project

Subject Number 5

Investigator

Group R+30 P6 FLT

Data Entered: Yes or No?

DATE	R+ Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-12	9 ~~25~~	84g	5 c,s,d 284.49/4 srch strat. N	11 c,d 319.23/60 W	17 s,d,L 297.61/45.82 S	23 n 25.82/3.52 E	38.52 / 231.79
5-13	10 ~~26~~	87g	5 n 20.28/4.12 E	11 n,L 171.86/32.3 N	17 n 68.24/8.63 S	23 n,L 136.52/21.21 W	16.57 / 99.23
5-14	11 ~~27~~	94	5 n 44.88/5.99 N	11 n 32.58/4.45 S	17 d,n 428.24/53.57 E	23 n 30.44/3.96 W	16.99 / 134.04
5-15	12 ~~28~~	101	5 38.57/4.40 N	11 *NT / 3.25 E	17 44.15/5.44 W	23 11.44/1.87 S	3.74 / 31.39
5-16	13 ~~29~~	104	5 15.69/1.70 S	11 35.01/4.89 N	17 16.59/1.54 E	23 36.91/3.63 W	2.94 / 26.05

Probe Trial # 29 South

CD= 5224.28

Morris Water Maze Data Sheet/NASA Project

Subject Number 6

Investigator

Group R+30 P6 FLT

Data Entered: Yes or No?

DATE	R+ Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-12	9 ~~25~~	119g	6 c,s,d 458.08/52.25 S	12 c,n 114.08/16.32 W	18 c,n 248.28/36.98 E	24 s,l,n 216.91/33.13 N	34.67 / 259.34
5-13	10 ~~26~~	128g	6 c,d,n 345.84/43.79 N	12 d,l,n 108.87/16.15 E	18 n 87.24/8.96 S	24 n 37.27/4.40 W	18.33 / 144.81
5-14	11 ~~27~~	136	6 s,n 69.03/7.42 S	12 n 22.28/2.80 W	18 d,n 115.49/12.25 N	24 n 29.12/1.37 E	5.96 / 58.98
5-15	12 ~~28~~	144	6 93.30/10.27 W	12 25.42/3.24 S	18 23.98/2.86 N	24 8.96/1.04 E	4.35 / 37.92
5-16	13 ~~29~~	152	6 163.46/20.00 W	12 24.83/3.46 N	18 17.29/2.31 E	24 16.29/2.03 S	6.95 / 55.47

Probe Trial # 30 South

CO= 4420.07

Morris Water Maze Data Sheet/NASA Project

Subject Number 15

Investigator

Group P7 viv

Data Entered: Yes or No?

DATE	P+ Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average	WT
5-16	13 ~~25~~	146	53 176.44/24.12 d,s, S	87 206.82/24.95 n,a,d, W	91 26.00/5.16 N	95 *NT 36.60 d,s, E	22.71 / 136.42	29°C
5-17	~~4~~ ~~26~~	153	1 99.99/12.97 d,n S	5 105.05/20.05 n N	9 65.50/11.59 n E	13 87.35/13.96 n W	14.64 / 89.47	29-30°C
5-18	~~15~~ ~~27~~	163	1 108.39/14.62 n N	5 * ~~77.42~~/7.36 n E	9 34.23/5.38 n N	13 121.44/21.48 n,i S	12.21 / 85.37	28-29°C
5-19	~~16~~ ~~28~~	171	1 24.15/3.85 N	5 43.49/9.12 S	9 * 14.44/3.42 correct E	13 109.02/20.60 W	9.25 / 58.89	34°C
5-20	17 ~~29~~	[illegible] 178	33 38.82/6.92 W	37 48.37/9.34 E	41 41.82/7.53 S	45 46.61/8.24 N	10.32 / 43.91	~~[illegible]~~°C 29-30°C

depressed button to early

Probe Trial # ~~5~~ 49

South CD= 3000.09

Morris Water Maze Data Sheet/NASA Project

Subject Number 16

Investigator

Group P7 viv

Data Entered: Yes or No?

DATE	~~Day~~ R+	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-16	13 ~~25~~	131	84 502.43 / 60 c,s,d, S	88 68.88 / 10.00 d W	92 384.76 / 49.56 s,d, E	96 296.61 / 43.57 s,d, N	40.78 / 313.17
5-17	14 ~~26~~	137	2 382.25 / 45.71 n,s, N	6 139.18 / 19.62 s,n, S	10 83.23 / 10.22 d, E	14 44.44 / 4.95 n W	20.13 / 162.28
5-18	15 ~~27~~	145	2 34.78 / 4.78 n E	6 153.66 / 17.64 d,n S	10 59.79 / 7.75 n N	14 80.47 / 9.84 n W	12.58 / 82.18
5-19	16 ~~28~~	150	2 26.43 / 3.30 W	6 146.36 / 17.86 N	10 29.48 / 4.07 E	14 16.24 / 2.31 S	6.89 / 54.63
5-20	17 ~~29~~	157	34 50.04 / 7.20 S	38 19.18 / 2.75 E	42 23.94 / 2.75 W	46 41.60 / 5.71 N	4.60 / 33.69

lat.

dis.

Probe Trial # 50

South

CD= 3811.19

Morris Water Maze Data Sheet/NASA Project

Subject Number 17

Investigator

Group P7 viv

Data Entered: Yes or No?

bumped but didn't stop

DATE	R+ ~~Day~~	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-16	13 ~~25~~	138	85 406.78 / 60 c,s, N	89 336.65/60 d,s E	93 56.60/7.75 d,n W	97 69.47 /10.00 d,n S	34.44 217.38
5-17	14 ~~26~~	145	3 20.05/3.74 n E	7 90.04/11.59 d,n S	11 ~~242.61~~ * /24.23 n W	15 20.02 /3.74 n N	10.83 43.37
5-18	15 ~~27~~	152	3 n 127.74/16.81 W	7 41.66/5.77 n E	11 38.51 / 5.11 n,1 N	15 41.05 /5.44 n S	8.28 62.24
5-19	16 ~~28~~	158	3 27.35/3.02 W	7 21.57 /2.91 S	11 26.76/ 3.96 N	15 14.83/2.53 E	3.11 22.63
5-20	17 ~~29~~	165	39 46.21/6.65 N	39 44.62/6.92 W	43 30.10 /4.23 E	47 12.90 /1.70 S	4.88 33.46

Probe Trial #51 South

CD= 3691.86

Morris Water Maze Data Sheet/NASA Project

Subject Number 18

Investigator

Group P7 viv

Data Entered: Yes or No?

DATE	R+ ~~Day~~	Weight (g)	Trial 1	Trial 2	Trial 3 (stopped)	Trial 4	Average
5-16	~~#~~13 ~~25~~	128	36 366.11/60 d,s,s E	90 32.89/6.65 n N	94 387.04/60 d,s,d, W	98 70.71/11.32 d, S	34.49 / 214.19
5-17	14 ~~26~~	133	4 277.74/48.30 n, W	8 12.71/3.02 ~~s~~n E	12 76.07/14.89 d,n S	16 25.26/5.99 n N	18.05 / 97.95
5-18	15 ~~27~~	139	4 n 55.95/10.16 S	8 d,n 155.61/25.38 W	12 n 18.77/3.02 E	16 n 18.90/2.80 N	10.34 / 62.31
5-19	16 ~~28~~	147	4 45.78/6.59 N	8 9.93/1.15 E	12 131.25/20.82 W	16 13.74/1.81 S	7.59 / 50.18
5-20	17 ~~29~~	154	36 59.94/7.75 N	40 19.15/2.80 S	44 26.62/2.91 W	48 14.14/1.81 E	3.82 / 29.96

Probe Trial #52 South

CD= 3550.00

Morris Water Maze Data Sheet/NASA Project

Subject Number 19

Investigator

Group P7 Viv

Data Entered: Yes or No?

DATE	Rt ~~Day~~	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average	WT
5-16	13 ~~25~~	135	99 517.33/60 c,s,d, E	103 483.03/60 s,d,c, W	107 158.54/19.34 d,s, S	111 25.12/3.96 n N	35.83 / 295.88	29°C
5-17	14 ~~26~~	142	17 457.52/60 d,s,n,L S	21 168.13/21.76 n, E	~~24~~ 25 161.97/28.30 n N	~~28~~ 29 29.54/6.76 n W	29.21 / 204.29	28-29°C
5-18	15 ~~27~~	147	17 n 25.21/3.74 E	21 n 45.95/7.80 S	25 n 31.42/3.46 N	29 n 26.86/4.01 W	4.75 / 32.36	33°C
5-19	16 ~~28~~	152	17 ~~*N S 1.05~~ E	21 26.25/3.19 N	25 ~~* 15.30/1.70~~ N	29 20.55/2.80 S	2.19 / 20.53	
5-20	17 ~~29~~	155	53 17.55/1.87 W	57 11.24/1.15 E	61 23.06/2.31 N	65 11.95/1.54 S	1.72 / 15.95	29-30°C

Probe Trial # 69 South

CD = 3911.93

Morris Water Maze Data Sheet/NASA Project

Subject Number 20

Investigator

Group P7 viv

Data Entered: Yes or No?

DATE	~~P4~~ Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-16	13 ~~25~~	120	100 501.46 / 60 c,s,d N	104 269.16 / 42.75 d,s,c, W	108 80.76 / 11.43 d, S	112 38.42 / 8.91 n, E	29.23 222.45
5-17	14 ~~26~~	124	18 69.14 / 9.51 d,n E	22 81.07 / 12.36 n, W	26 93.44 / 11.98 n S	30 104.84 / 15.77 n N	12.41 87.12
5-18	15 ~~27~~	128	18 n 131.40 / 15.66 N	22 n,s 74.20 / 9.45 E	26 n 13.10 / 1.59 S	30 n 51.86 / 6.92 W	8.41 67.64
5-19	16 ~~28~~	132	18 36.64 / 4.29 S	22 24.33 / 3.02 N	26 56.44 / 9.12 W	30 31.43 / 4.95 E	5.35 37.21
5-20	17 ~~29~~	139	54 83.80 / 11.81 W	58 13.14 / 1.92 E	62 32.78 / 5.55 N	66 19.09 / 2.25 S	5.38 37.20

Probe Trial # 70 South

CO = 3625.61

Morris Water Maze Data Sheet/NASA Project

Subject Number 21

Investigator

Group P7 Viv

Data Entered: Yes or No?

DATE	R+ ~~Day~~	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-16	13 ~~25~~	135	101 501.63/51.37 s,c,d, S	105 20.60/3.79 d N	109 295.35/32.97 d,s, W	113 246.99/29.01 s,d,L E	29.29 / 266.14
5-17	14 ~~26~~	143	19 212.32/25.99 s,n, W	23 85.89/12.14 n, E	27 69.15/11.04 n,L N	31 38.38/7.31 n,L S	14.12 / 101.44
5-18	15 ~~27~~	148	19 n 32.34/5.16 N	23 n 89.60/12.64 S	27 n 13.23/2.03 E	31 n 28.25/3.85 W	5.92 / 40.86
5-19	16 ~~28~~	152	19 22.59/3.19 N	23 10.71/1.59 E	27 54.31/8.52 W	31 64.24/10.00 S	7.31 / 37.96
5-20	17 ~~29~~	156	55 62.65/9.78 E	59 50.08/8.24 W	63 26.36/4.62 N	67 19.74/2.91 S	6.39 / 39.71

Probe Trial #71 South

CD = 2819.27

Morris Water Maze Data Sheet/NASA Project

Subject Number 22

Investigator

Group P7viv

Data Entered: Yes or No?

DATE	~~Day~~ R+	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-16	13 ~~25~~	128	102 39.80 / 5.22 s, bump E	106 23.59 / 3.52 N N	110 179.84 / 25.99 n, s, c, W	114 142.52 / 14.67 d, s, S	12.35 / 96.44
5-17	~~14~~ ~~26~~	136	20 19.38 / 2.14 d N	24 340.82 / 41.81 d, n E	28 125.07 / 13.35 n, c W	32 13.36 / 1.05 n S	14.74 / 124.66
5-18	15 ~~27~~	139	20 n 84.32 / 9.73 S	24 d, n 185.86 / 25.33 E	28 n 30.89 / 4.01 W	32 n 51.94 / 7.25 N	11.58 / 88.25
5-19	16 ~~28~~	146	20 15.83 / 2.25 S	24 35.89 / 5.82 N	28 27.22 / 3.85 W	32 24.89 / 4.56 E	4.12 / 25.96
5-20	17 ~~29~~	151	56 26.43 / 4.51 E	60 28.07 / 5.22 S	64 32.92 / 6.15 N	68 34.37 / 5.55 W	5.36 / 30.45

72

Probe Trial ~~#~~ 72 South.

CD= 3744.70

Morris Water Maze Data Sheet/NASA Project

Subject Number 31

Investigator

Group P7 AGC

Data Entered: Yes or No?

DATE	Rt ~~Day~~	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average	WT
5-20	17 ~~25~~	129	1 461.73/60 d,c,s, S	5 122.22/14.56 d,n W	9 *NT 9.47 d,s N	13 37.54/5.16 n,L E	22.30 / 207.16	31-32°C
5-21	18 ~~26~~	140	1 381.86/43.46 s,n, E	5 20.18/3.19 n N	9 42.17/8.30 n S	13 47.31/9.51 n W	16.12 / 122.88	28°C
5-22	19 ~~27~~	148	1 404.15/60 n,L W	5 n 217.94/50.16 S	9 113.44/21.54 n N	13 96.04/18.35 n E	37.51 / 207.89	31-32°C
5-23	20 ~~28~~	154	1 spots 51.92 W	5 55.87/8.13 N	9 296.40/47.25 S	13 *NT - invalid trace 1.86 E	27.30 / 176.14	32-33°C
5-24	21 ~~29~~	163	1 26.98/3.19 E	5 29.57/4.84 W	9 128.39/19.62 S	13 66.67/9.67 N	9.33 / 62.90	28-29°C

likes to drink

Probe Trial #37 South

Cum Dist = 4903.76

Morris Water Maze Data Sheet/NASA Project

Subject Number 32

Investigator _____

Group P7 AGC

Data Entered: Yes or No?

TE	Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-20	17 ~~25~~	131	2 408.31/60 d,s,n N	6 290.37/49.34 d,s, W	10 68.42/10.16 d,n,s S	14 20.44/3.24 n E	30.69 196.89
5-21	18 ~~26~~	141	2 53.25/4.91 n,d E	6 72.17/12.31 n,c N	10 74.62/11.70 n W	14 110.46/19.12 n S	12.76 77.63
5-22	19 ~~27~~	147	2 n 31.97/5.44 E	6 n,c 55.46/9.01 W	10 n 40.36/8.02 N	14 n 65.77/10.71 S	8.30 48.39
5-23	20 ~~28~~	153	2 71.81/12.20 N	6 39.14/6.70 S	10 18.32/3.24 E	14 42.84/7.20 W	7.34 43.03
5-24	21 ~~29~~	164	2 92.39/13.96 W	6 97.89/14.45 N	10 20.91/3.30 S	14 12.32/1.98 E	8.42 55.88

Probe Trial #38 South

Cum. Dist = 2805.86

Morris Water Maze Data Sheet/NASA Project

Subject Number 33

Investigator

Group P7 AGC

Data Entered: Yes or No?

DATE	Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-20	17 ~~25~~	108	3 Float 319.17/60 s,c,L W	7 115.58/22.42 s,d, S	11 11.32/1.98 n E	15 220.23/33.52 d,n,L N	29.48 / 166.58
5-21	18 ~~26~~	115	3 65.72/12.03 n, S	7 98.47/16.87 n,s N	11 26.02/5.27 n E	15 48.48/9.51 n, W	10.92 / 59.67
5-22	19 ~~27~~	119	3 30.66/5.11 n N	7 327.92/45.55 n,L E	11 n 106.70/17.09 W	15 n 16.20/2.97 S	17.68 / 120.37
5-23	20 ~~28~~	125	3 37.60/6.54 W	7 30.44/5.33 N	11 13.47/1.92 S	15 14.04/2.97 E	4.19 / 23.89
5-24	21 ~~29~~	132	3 185.96/25.27 S	7 25.25/4.18 W	11 29.08/4.40 E	15 28.39/3.41 N	9.32 / 67.17

Probe Trial #39 South

Cum. Distance = 3908.42

Morris Water Maze Data Sheet/NASA Project

Subject Number 34

Investigator

Group P7 AGC

Data Entered: Yes or No?

DATE	Rt ~~Day~~	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-20	17 ~~25~~	120	4 33.38 / 6.59 n,d N	8 45.89 / 27.25 s,d E	12 *63.54 / 36.48 d,s, S	16 24.51 / 4.56 d,n W	18.72 84.59
5-21	18 ~~26~~	128	4 215.64 / 29.62 d,s,n W	8 264.16 / 37.69 n,d,s, E	12 63.87 / 9.62 d,n S	16 *NT / 3.41 N	20.09 181.22
5-22	19 ~~27~~	130	4 474.85 / 52.86 s, n N	8 n 64.24 / 10.49 S	12 n 175.82 / 24.78 E	16 n 98.90 / 14.34 W	25.62 203.45
5-23	20 ~~28~~	136	4 173.60 / 22.09 E	8 22.41 / 3.08 N	12 26.80 / 3.68 W	16 *NT / 19.09 S	11.99 74.27
5-24	21 ~~29~~	140	4 13.35 / 2.20 S	8 11.67 / 1.65 E	12 25.41 / 3.24 W	16 20.88 / 2.58 N	2.42 17.83

Probe Trial #40 South

Cum. Dist. = 2819.72

Morris Water Maze Data Sheet/NASA Project

Subject Number 35

Investigator

Group P7 AGC

Data Entered: Yes or No?

bumped

DATE	Rt Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-20	17 ~~25~~	130	17 294.06/35.60 d,c,L W	21 224.04/31.87 n,c,L,S S	25 78.57/9.95 d, E	29 107.78/14.29 d N	22.80 / 176.11
5-21	18 ~~26~~	137	17 57.22/6.15 d,n S	21 49.51/6.70 n W	25 16.91/2.03 n E	29 106.31/16.10 n,L N	7.75 / 57.49
5-22	19 ~~27~~	141	17 n 24.05/4.12 N	21 n 92.99/13.41 W	25 n 13.71/2.69 E	29 n,L 102.22/16.21 S	9.11 / 58.24
5-23	20 ~~28~~	145	17 16.03/2.91 E	21 31.49/4.73 W	25 25.59/3.79 N	29 41.33/6.98 S	4.60 / 28.61
5-24	21 ~~29~~	151	17 29.85/4.23 W	21 12.19/1.76 E	25 30.34/4.07 N	29 22.99/3.41 S	3.37 / 23.84

4998.06

Probe Trial # 33 South

#41 - redo

Cum. Dist. = 6975.97 invalid?

got messed up b/c PolyTrack didn't take command to Δ scorer to 30

Morris Water Maze Data Sheet/NASA Project

Subject Number 36

Investigator

Group P7 AGC

Data Entered: Yes or No?

DATE	~~Day~~ R+	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-20	17 ~~25~~	113	18 372.23/40.83 s,c,n E	22 * poop/~~59.60~~ 1119.95 n,d,s N	26 n 19.50/2.47 S	30 70.79/9.45 d,n W	28.19 / 154.17
5-21	18 ~~26~~	121	18 89.60/13.63 n W	22 120.19/18.13 n S	26 27.68/3.90 n N	30 77.89/12.58 n E	12.06 / 77.84
5-22	19 ~~27~~	127	18 ~~*NT 2.93~~ N	22 ~~9.07 1.65~~ E	26 n 31.74/4.62 W	30 n,L 38.49/5.71 S	3.73 / 26.41
5-23	20 ~~28~~	133	18 97.50/12.75 N	22 15.99/2.36 S	26 34.85/5.05 E	30 20.74/2.47 W	5.66 / 42.27
5-24	21 ~~29~~	136	18 57.19/6.54 S	22 18.94/1.92 W	26 48.26/6.37 N	30 18.95/2.75 E	4.40 / 35.84

Probe Trial # 34 South

Cum Dist = 3552.24

Morris Water Maze Data Sheet/NASA Project

Subject Number 37

Investigator

Group P7 AGC

Data Entered: Yes or No?

DATE	Rt Day	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-20	17 ~~25~~	122	19 183.83/32.03 n,s, S	23 39.79/6.81 d,n N	27 10.84/1.92 ~~d,n~~ n E	31 21.22/2.75 d-n W	10.88 / 63.92
5-21	18 ~~26~~	130	19 14.14/1.98 n E	23 65.35/6.92 n S	27 19.40/2.86 n N	31 91.25/12.69 n,d W	8.83 / 47.54
5-22	19 ~~27~~	134	19 n 23.72/3.74 N	23 n 20.78/3.08 W	27 n 31.30/4.89 E	31 n 55.85/9.40 S	5.28 / 32.91
5-23	20 ~~28~~	138	19 17.77/2.47 S	23 84.46/12.58 W	27 91.19/15.05 E	31 24.07/3.68 N	8.45 / 54.37
5-24	21 ~~29~~	145	19 29.38/4.78 N	23 17.64/2.47 S	27 48.81/7.14 W	31 13.77/1.65 E	4.01 / 27.40

Probe Trial # 35 South

Cum. Dist = 3437.05

Morris Water Maze Data Sheet/NASA Project

Subject Number 38

Investigator

Group P7 AGC

Data Entered: Yes or No?

stopped/floating dove under

DATE	R+ ~~Day~~	Weight (g)	Trial 1	Trial 2	Trial 3	Trial 4	Average
5-20	17 ~~25~~	132	20 264.44/60 c,s,~~[illegible]~~ E	24 26.57/5.44 n S	28 48.67/7.64 d,s,n N	32 37.87/6.43 n W	19.88 94.39
5-21	18 ~~26~~	137	20 372.20/60 d,n,c,s,L W	24 52.67/12.53 n N	28 n 57.95/7.42 S	32 n 10.78/2.09 E	20.51 123.40
5-22	19 ~~27~~	140	20 n 74.96/8.19 S	24 n,L 66.29/10.22 W	28 ✓ *NT 1.53 E	32 n 39.04/7.69 N	6.91 60.10
5-23	20 ~~28~~	144	20 63.80/11.21 N	24 16.55/3.08 E	28 24.00/4.18 S	32 29.85/5.11 W	5.90 33.55
5-24	21 ~~29~~	150	20 20.96/3.13 S	24 10.83/2.14 E	28 23.09/3.30 N	32 28.77/4.07 W	3.16 20.91

Probe Trial # 36 South

Cum. Dist. = 3812.63